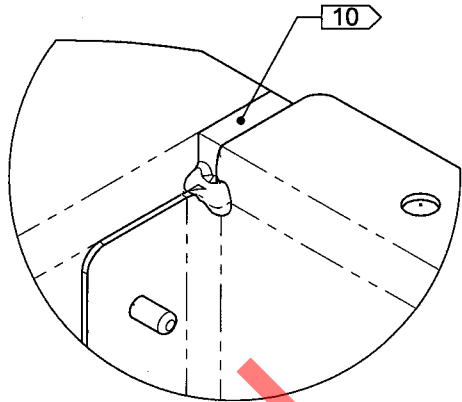
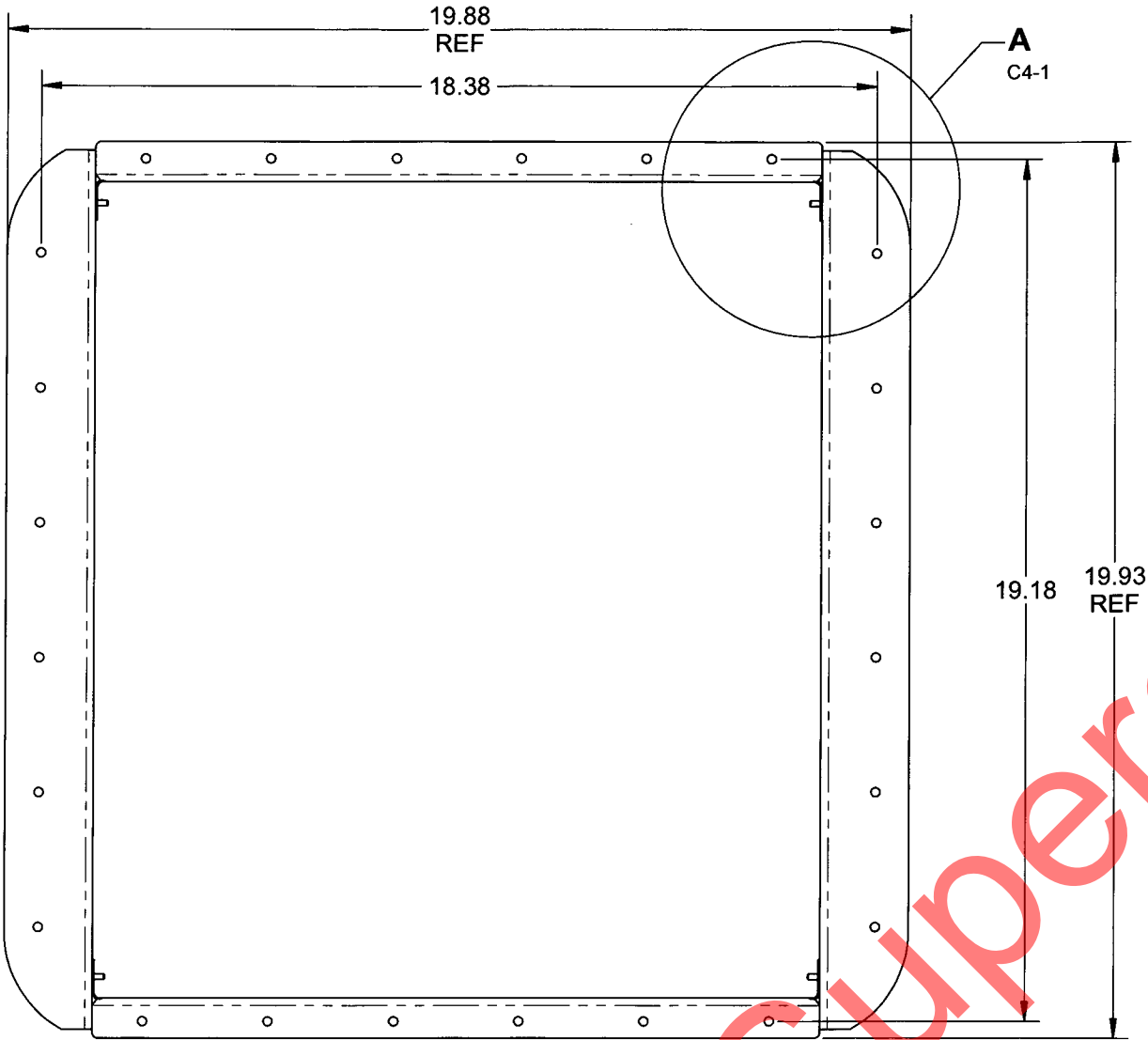
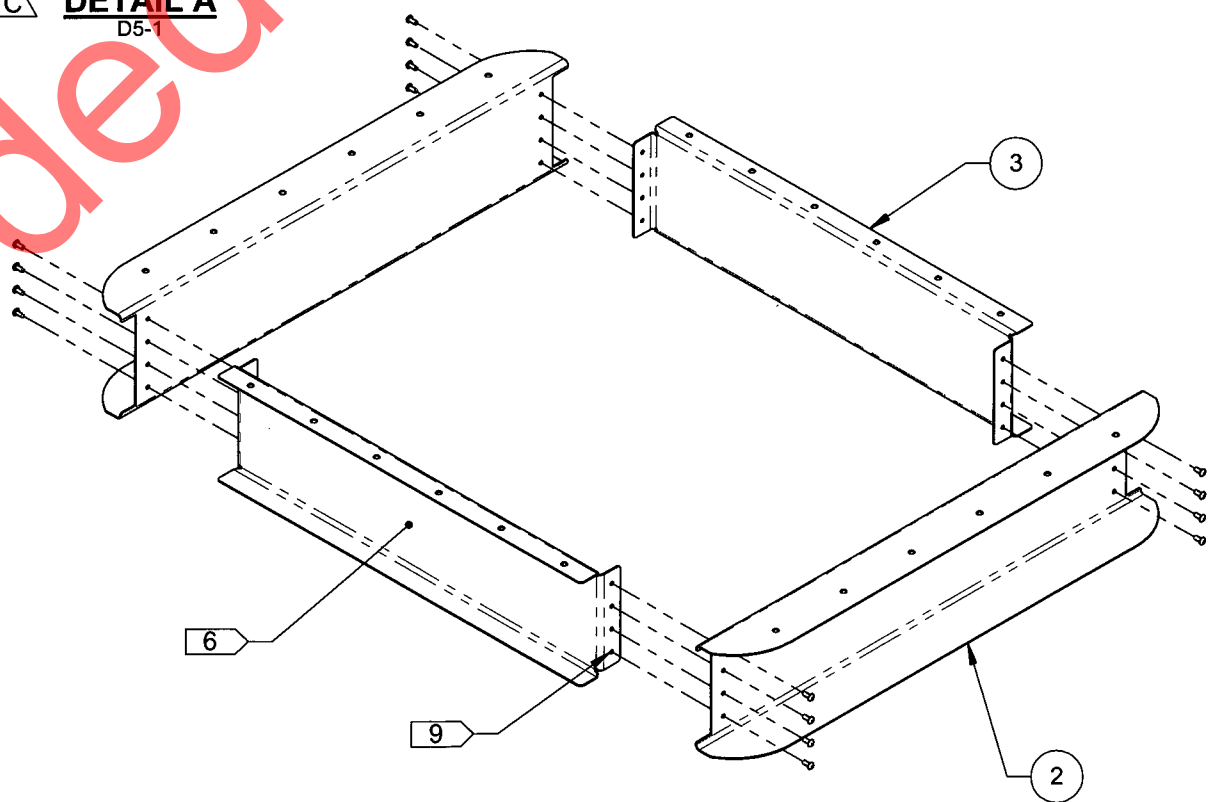


| ITEM | QTY -041 | P/N | DESCRIPTION |
|------|-------------|--------------|------------------------|
| 1 | X | D5090-041 | DUCT ASSEMBLY |
| 2 | 2 | D5090-1 | BRACKET |
| 3 | 2 | D5090-3 | BRACKET |
| 4 | 16 | MS20470AD4-5 | RIVET, SOLID, PAN HEAD |



DETAIL A
D5-1



D5090-041 DUCT ASSEMBLY

UNDER REVIEW

URF 17-582 17.06.13 RF

RELEASED

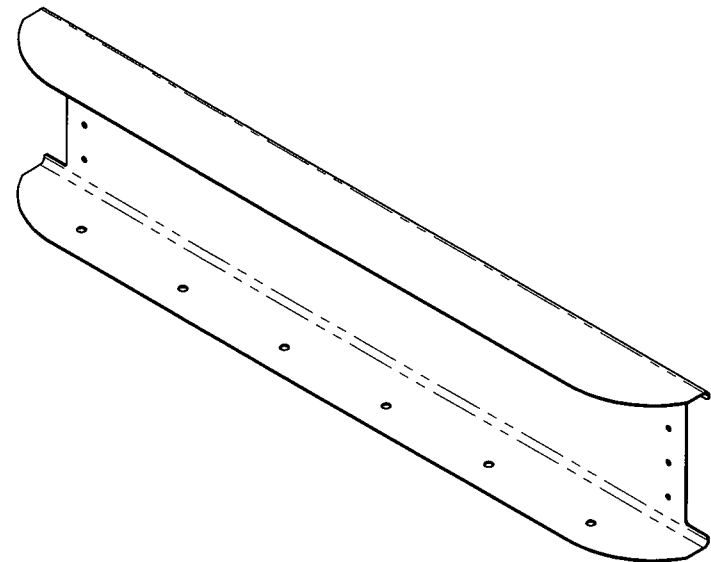
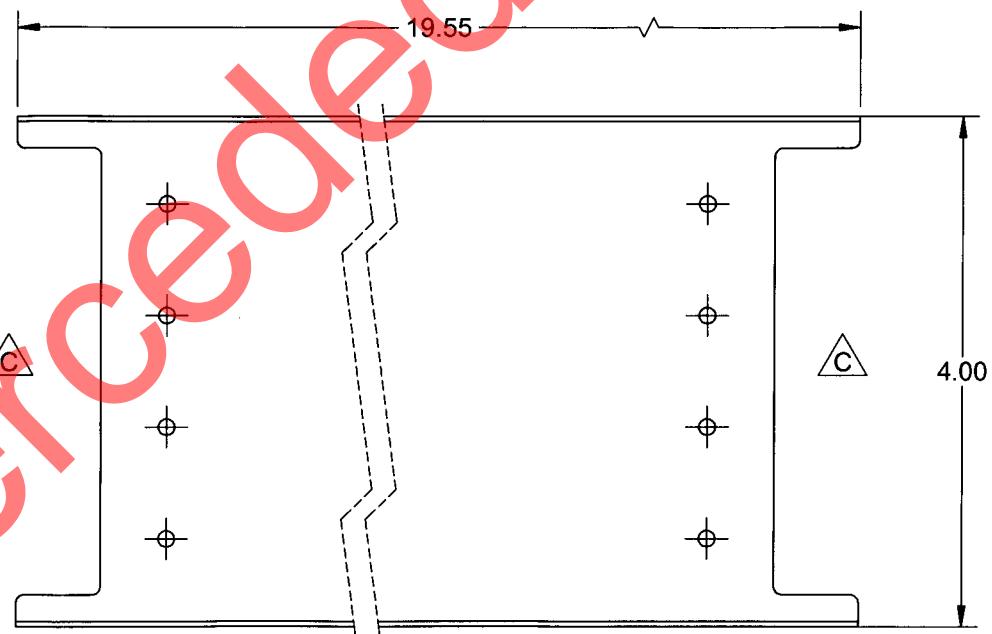
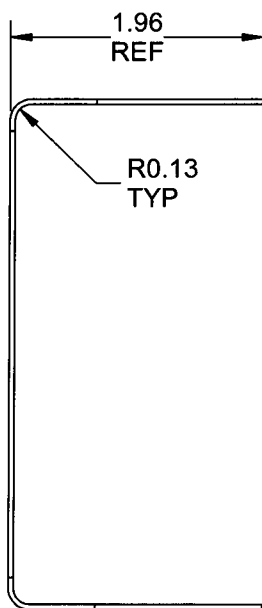
2015 APR 30

ECN 15-527

APPROVED

| | | | |
|------------|--|--|--------------|
| C | REVISED D5090-1 DIMENSION (ZN C4-2). REVISED D5090-1 GEOMETRY (ZN C2-2 AND ZN C5-2). REVISED NOTE 7 (ZN A8-2 AND ZN A8-3). REVISED D5090-3 DIMENSION (ZN C3-4). ADDED DETAIL A (ZN C4-1). REVISED NOTE 10 (ZN A8-1). REMOVED FLAG NOTE FROM TOP VIEW (ZN C7-1) | AK | 14.11.25 |
| B | REVISED D5090-3 TO ADD HOLES (ZN C6-4, ZN B5-5) | AK | 14.06.27 |
| A | NEW ISSUE | AK | 14.04.01 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | AK | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | AK | | |
| CHECKED | VS | DRAWING NO. | REV. C |
| MFG. APPR. | JLM | D5090 | SHEET 1 OF 5 |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | DUCT ASSEMBLY | NTS |
| DATE | 14.11.25 | COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 AFTER TRANSFER DRILLING
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 1.85 lbs
 - 8) ASSEMBLE D5090-041 WITH CLECO CLAMPS AND VERIFY DIMENSIONS
 - 9) INSTALL MS20470AD4-5 RIVETS
 - 10) FILL UPPER AND LOWER GAPS WITH SIKAFLEX, PROSEAL 890 OR EQUIVALENT, 4 PL



D5090-1 BRACKET

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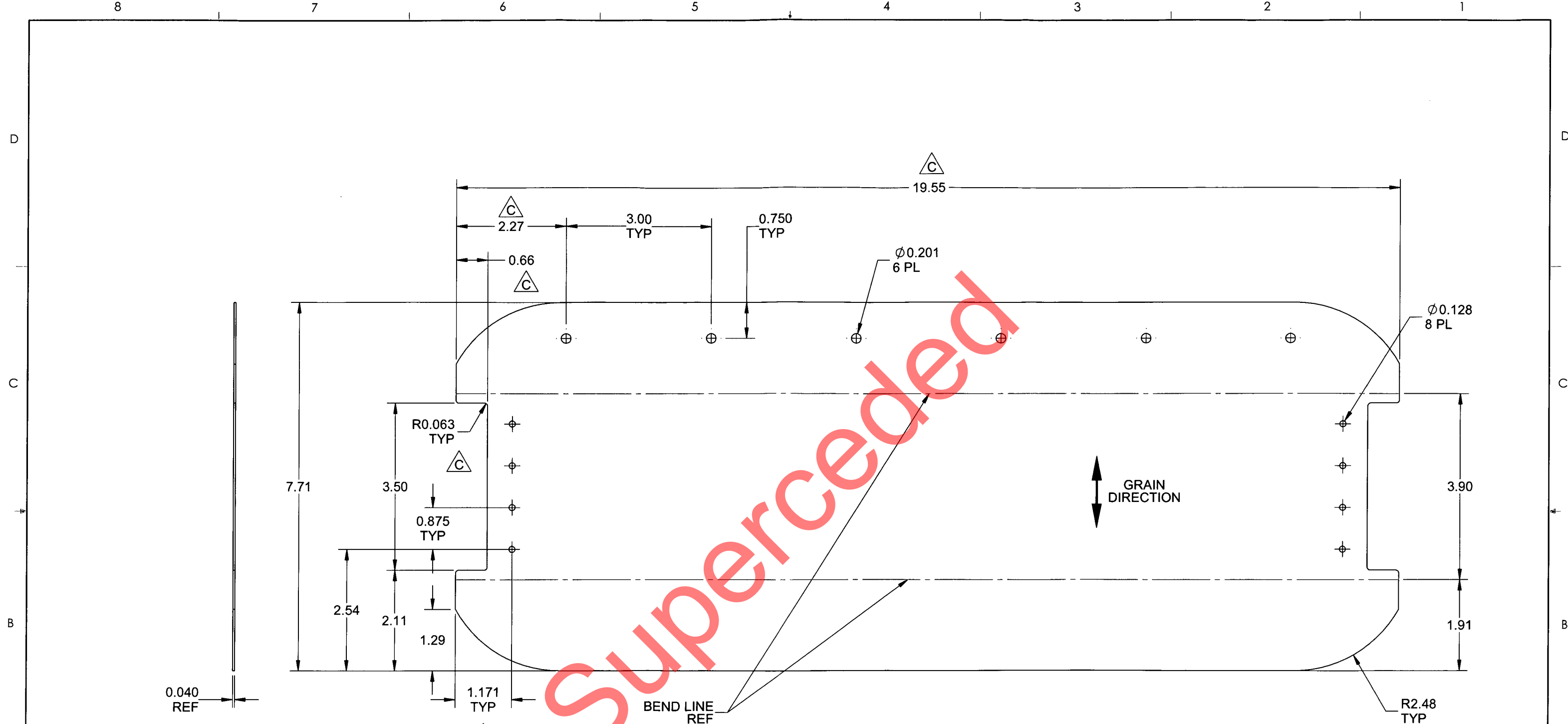
NOTES:

- 1) MATERIAL: MADE FROM D5090-1F
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.56 lbs



APPROVED

| | | | |
|------------|----------|--|--------|
| DESIGN | AK | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | AK | | |
| CHECKED | VS | DRAWING NO. D5090 | REV. C |
| MFG. APPR. | JLM | SHEET 2 OF 5 | |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | DUCT ASSEMBLY | NTS |
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D5090-1F FLAT PATTERN

- NOTES:
- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET, 0.040 THICK
PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027
OR ASTM B209
REF DART SPEC M6061T6S.040
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.56 lbs

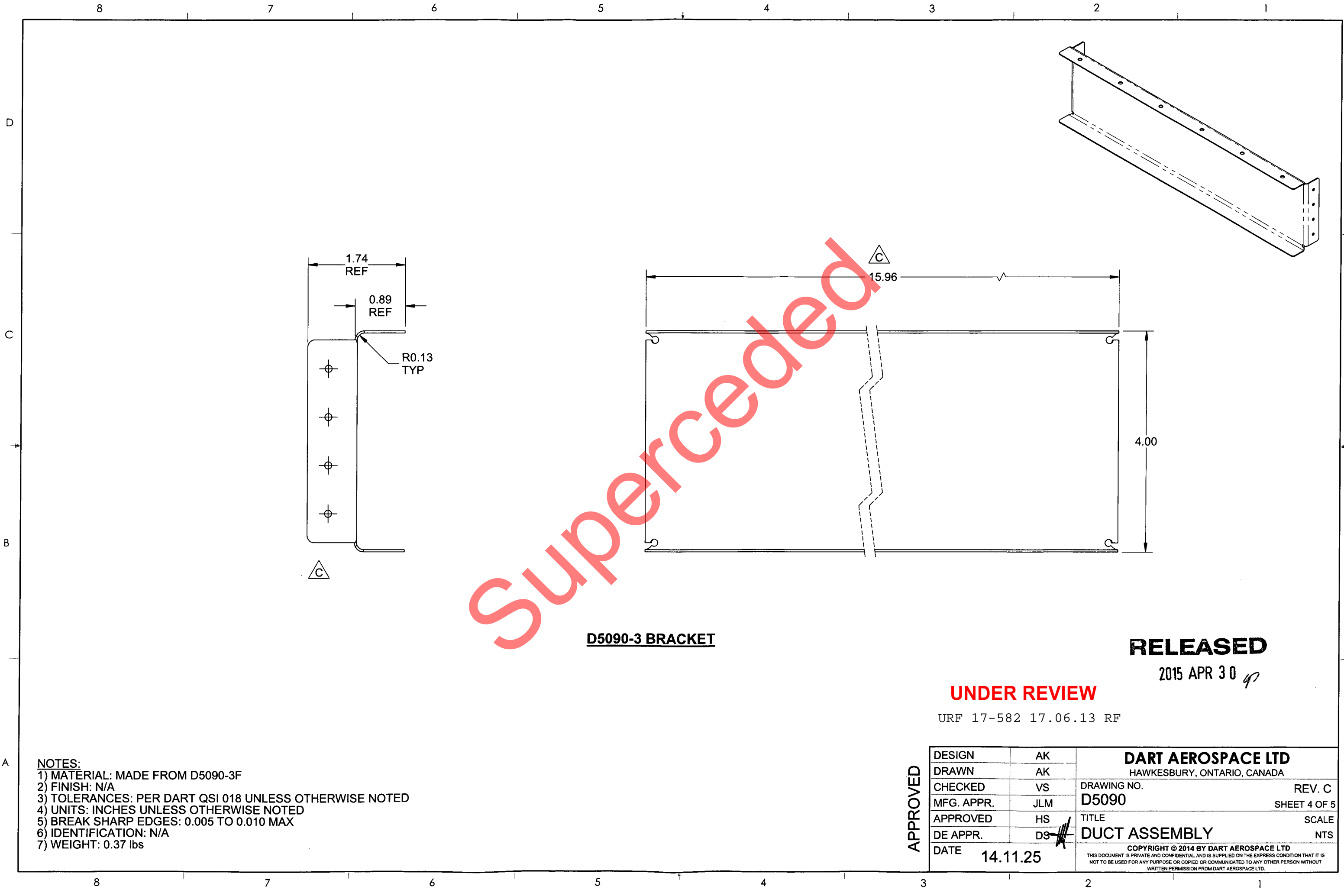
APPROVED

| | | | |
|------------|----------|---|--------|
| DESIGN | AK | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | AK | | |
| CHECKED | VS | DRAWING NO. D5090 | REV. C |
| MFG. APPR. | JLM | SHEET 3 OF 5 | |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | DUCT ASSEMBLY | NTS |
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2015 APR 30

UNDER REVIEW

URF 17-582 17.06.13 RF



Superceded

D5090-3 BRACKET

RELEASED
2015 APR 30 *qp*

UNDER REVIEW

URF 17-582 17.06.13 RF

- NOTES:**
- 1) MATERIAL: MADE FROM D5090-3F
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.37 lbs

| | | | | |
|---------------|------------|-----------------------|---|--------------|
| APPROVED | DESIGN | AK | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| | DRAWN | AK | | |
| | CHECKED | VS | DRAWING NO. | REV. C |
| | MFG. APPR. | JLM | D5090 | SHEET 4 OF 5 |
| | APPROVED | HS | TITLE | SCALE |
| | DE APPR. | DS <i>[Signature]</i> | DUCT ASSEMBLY | NTS |
| DATE 14.11.25 | | | COPYRIGHT © 2014 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

